

VANCI, Gh. A., prof., ing.

Prof. dr. I. N. Plaksin, prominent figure in the field of preparing useful mineral substances, and of hydrometallurgy. Rev min 12 no.12: 565 D '61.

(Plaksin, Igor' Nikolayevich) (Hydrometallurgy)

VANCI, Gheorghe A., prof. ing.

Stage and importance of the mechanical and thermal dressing as well as the direct reduction of iron ores for the development of Rumanian siderurgical industry. Metalurgia constr mas 14 no.11:961-976 N '62.

1. Institutul politehnic, Bucuresti,

VANCI, Gheorghe, prof. ing.

Technical and economic aspects of the importance of the
iron ore preparation in the pig iron elaboration process.
Metalurgia constr mas 14 no.8:673-682 Ag '62.

1. Institutul Politehnic, Bucureşti.

VANCI, Gh.

Rumanian and Soviet Russia Scientific Conference on the physical
chemistry of melted electrolytes. Studii cerc metalurgie 8 no.1:
91-92 '63.

VANCI, V.

Medical evaluation of work capacity in rheumatic diseases. Rev.
st.med., med. int., Bucur. 6 no.4:116-121 Oct-Dec 54.

1. Institutul de cercetari stiintifice pentru expertiza capacitatii
de munca si protejare din Ministerul Prevederilor Sociale

(RHEUMATISM

in workers, med. evaluation of work capacity, methods)

(WORK

capacity, in rheum. dis., methods of evaluation)

(WORKMENS COMPENSATION AND INSURANCE

in rheum. dis., expert evaluation of work capacity)

VANCIK, F.

GEOGRAPHY & GEOLOGY

Periodical: CESKY LID. Vol. 42, no. 5, 1955.

VANCIK, F. Creation of a home in a resettled village along the borderland. p. 193

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

VANCIK, F.

"Notes on domestic lace making along the former borderland of the Czech and German settlements in the area of Domazlice and Horsuv Tynec."

p. 25 (Cesky Lid., Vol. 43, No. 1, 1956, Prague, Czechoslovakia)

GEOGRAPHY & GEOLOGY

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec 58

VANCIK, F.

"An interesting document on Czech-Russian relations in the field of ethnology."

p. 112 (Cesky Lid, Vol. 45, no. 3, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

VANCHIKOV, A.N.; PLETNIKOVA, K.N.

Processing of cotton blends with synthetic staple fibers. Nauch.-
issl. trudy TSNI IKHBI '60 [publ. '62]:101-153.

(MIRA 18:2)

CZECHOSLOVAKIA / Farm Animals. Swine

Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21484

Author : Vancikova Ruzena J.

Inst :

Title : Interrelation Between the Number of Pigs in a Litter
and Differences of Weight of the Pigs Farrowed, at
Birth and at Weaning Time (Svyaz' velichiny pometa
s raznitsey v vese porosyat pometa pri rozhdenii i
posle ot'yema).

Orig Pub: Pol'noshopodarstvo, 1957, 4, No 1, 97-134

Abstract: On the ground of mathematical computation of the results of weighing (individual pigs and litters) 10,816 newborn pigs from 1,101 litters and 7,085 pigs aged 56 days from 967 litters, the mechanism of the changes occurring in the weight of a litter and an average weight of the pig in relation to the number of pigs in a litter, were determined and presented graphically.

Card 1/1

VANCIKOVA, Ruzena J., inz.

International Conference on Breeding of Broilers under Conditions
Existing in Socialist Countries. Vestnik CSAZV 8 no.11:621-625 '61.

1. Vyskumný ustav pre chov hydiny, Československá akadémia podohospo-
darských vied, Ivanka pri Dunaji.

(Poultry breeding)

VANCIKOVA, Ruzena J., inz.

Practical application of research results on poultry breeding. Vestnik CSAZV 9 no.3:135-138 '62.

1. Vyskumny ustav pre chov hydiny, Ceskoslovenska akademia polnophospodarskych vied, Ivanka pri Dunaji.

VANCIKOVA, Ruzena J., inz.

Research Institute for Poultry Breeding is helping the practice.
Vestnik vyzk zemedel 9 no.6:326-329 '62.

1. Vyskumny ustav pre chov hydiny, Ivanka pri Dunaji.

GAZO, Mikulas, inz.; VANCICOVA, Ruzena J., inz.

Experimental biological test of D vitamin content in individual feeds. Vestnik vyzk zemedel 9 no.11:518-519 '62.

1. Vyskumny ustav pre chov hydiny, Ivanka pri Dunaji.

CZECHOSLOVAKIA

VANCIKOVA, R.; Poultry Research Institute (Vyskumny Ustav pre Chov lidiny), Ivanka pri Dunaji.

"Influence of Light Pattern on Sexual Maturity of White Leghorn Hens."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, pp 392 - 393

Abstract: In the winter months of December to February the influence of the light pattern on sexual maturity of hens was investigated in 6 groups of hens. One group was exposed to available daylight, one was kept in complete darkness, and 4 were exposed to various patterns of artificial light. Hens who were exposed to artificial light matured in 172-176 days; those in the other 2 groups matured 20 days later. 1 Figure, 4 Western references. Submitted at 3 Days of Physiology of Domestic Animals at Liblice, 9 Dec 65.

1/1

HORA, Valtr; VANOL, Josef

Higher productivity cannot always be reached with fewer workers.
Prace mzda 13 no.3:112-115 Mr '65.

1. Association of Knitting Industry Enterprises, Pisek.

KOCISKOVÁ, D.; STYK, B.; HANA, L.; technical assistance: VANCO, K.;
ZAHUMENSKA, B.

The relation of properdin and complement to the thermolabile cofactor of normal serum necessary for the reaction of specific antibody with influenza A2 virus. Acta virol. Engl. Ed. Praha 5 no.1: 19-25 Ja '61.

1. Institute of Virology, Czechoslovak Academy of Sciences,
Bratislava.

(INFLUENZA VIRUSES immunol)
(COMPLEMENT)
(PROPERDIN)

RATHOVA, V.; KOCISKOVA, D.; technika spolupraca VANCO, K.; ZAHUMENSKA, B.

Antibody response after different modes of administration of influenza viruses group A in some laboratory animals and the effect of different methods of removing non-specific inhibitors on the titer of specific antibodies in their sera. Cesk. epidem. mikrob. imun. 10 no 3:170-175 '61.

1. Virologicky ustav CSAV v Bratislave.
(INFLUENZA VIRUSES immunol.)

POPPER, M., prof.; KAUFMAN, S., dr; CRISTEA, M., dr; VANGOV, T., dr.

The association of tuberculosis with aspergillosis. Med. int.,
Bucur. 12 no. 2:295-301 F '60.
(TUBERCULOSIS PULMONARY complications)
(ASPERGILLOSIS complications)

MITROIU, O.; POPA, M.; NEGRANU, W.; BILCU, M.; POPPER, M.; KAUFMANN, S.;
NICULESCU, V.; VANCOV, Z.

Differential diagnosis of jaundice appearing in the course of treatment
with para-aminic-salicylic acid, by means of serum aldolase determination.
Romanian M Rev. no.3:11-12 Jl-S '60.
(ALDOLASE blood) (JAUNDICE diagnosis)
(PARA-AMINOSALICYLIC ACID toxicology)

VANCSO, GY.

"Chemistry of unsaturated polyester alkyd resins." Pt. 1, p. 179. (Magyar Kemikusok Lapja, Vol. 8, no. 6, June 1953, Budapest)

"Beryllium poisoning." p. 182. (Magyar Kemikusok Lapja, Vol 8, no 6, Jun 53 Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Unclassified

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858520011-0

"Synthetic rubbers based on isocyanate."

Magyar Kemikusok Lapja, Budapest, Vol 9, No 4, Apr. 1954, p. 103

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858520011-0"

Vancso Gyula

Hungary/Chemical Technology - Chemical Products and Their Application. Synthetic Polymers. Plastics, I-

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63114

Author: Vancso, Gyula

Institution: None

Title: Hungarian Experience with the Use of Polyvinyl Chloride

Original

Periodical: Hazai tapasztalatok a polivinilklorid felhasznalasa teren, Magyar kemik., lapja, 1954, 9, No 9, 257-265; Hungarian

Abstract: Presented are physicomechanical indexes and data on chemical stability of rigid polyvinyl chloride and plasticized polyvinyl chloride and also experimental data on their use in lining of containers, making of reactors, cells, washing columns, fixtures, hose and gaskets.

Card 1/1

VANCZO, Gy.

PVC in the fittings industry. p. 22.
Snow replaced by PVC. p. 23.

No. 1, Jan. 1955.
MUSZAKI ELET
Budapest

SOURCE: Monthly list of East European Accession, (EEAL), LC, Vol. 5,
No. 3, March, 1956

VANCSÓ, Gy.

VANCSÓ, Gy. Gluing metals. p. 36. GEP. Budapest. Vol. 8, no. 1,
Jan. 1956.

SOURCE: East European Acquisitions List (EEAL) LC Vol. 5, No. 6 June 1956

VANCSÓ, Imre, okleveles meteorologus, tudományos munkatárs

Meteorologic factors. Vizugyi kozl no.3:282-287 '63.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet.

VANCZO, Imre

Forecasting precipitation volumes. Hidrologiai kozlony 44
no.4:164-172 Ap'64

1. Vizgazdalkodasi Tudomanyos Kutato Intezet, Budapest.

B. T. R.
June 1954
Plastics

①
8847a* Chemistry of the Unsaturated Polyester Alkyd Resins. II. (Hungarian) Ipolya Szemerédy, Vancsik Szigyár Kémikusok Lapja, v. 9, no. 1, Jan. 3, 1954, p. 26-35. Polymerization and the role of peroxides, promoters, and inhibitors. Results of experiments on polymerization done at the Hungarian Research Institute of the Plastics Industry. Tables, graphs. U ref.

10-8-54
mwy

VANCZO-SZMRECSANYI, L.

Use of polyester contact resins of alkyd type in the electric industry. p. 248

Some distinctive products of the Factory for Electric Machines and Cables. p. 256

ELEKTROTECHNIKA, Vol. 48, No. 8, Aug. 1955

(Magyar Elektrotechnikai Egyesulet) Budapest.

SOURCE: East European Accessions List Vol. 5, No. 1 September, 1956

"APPROVED FOR RELEASE: 08/31/2001

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of the finished products, and applications. Tables 12 & 13.

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CIA-RDP86-00513R001858520011-0"

VANCZO, I.

Polyester molding materials. p. 112.

MAGYAR KEMIKUSOK KEMIKUSOK LAPJA. (Magyar Kemikusok Egyesulete) Budapest.
Vol 11, no. 7, Apr 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

VANCSO, L.

VANCSO, L. - Important results of our research on polyester contact resins.
p. 248. Vol. 11, no. 8, Aug. 1956.
MAGYAR KEMIKUSOK LAPJA - Budapest, Hungary

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

Vancso-Szmercsanyi, I.

The use of new polyester-base synthetic materials in Hungarian instrument
manufacturing. p.75

MERES ES AUTOMATIKA. (Meratechnikal es Automatizalasis Tudomanyos Egyesulet)
Budapest, Hungary. Vol.7, no.2/3, 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11
November 1959
Uncl.

VANCSÓ, F.

Distr: 4E2c(j)

Investigation of the copolymerization of unsaturated polyesters and styrene or methyl methacrylate by measuring shrinkage. (Bolya, Vančsó, and Etelka Makai (Szerves Vevípari és Műanyagipari Kutatás Int., Budapest, Hung.) Magyar Tudományos Akad. Kém. Tudományok Osztályának Közleményei 11, 445-53 (1959).—The extent of polyinsulation is detd. by measuring shrinkage in a Schulz dilatometer (cf. Schulz and Harborth, C.A. 41, 5753b). Diethylene glycol maleate and sebacate are copolymerized with styrene (I) and Me methacrylate (II). Unsatn. promote polymerization. The nature of the initiator-activator system (B_2O_3) greatly influences the reaction. II had much smaller copolymerization ability with polyesters than I. The Trommsdorf effect (cf. Trommsdorf, et al., C.A. 42, 65766) was valid in the above cases.
T. E. Müller

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(A)

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VANCZO, I.

Plastic products strengthened by glass fibers. p. 77.

MAGYAR KEMIKUSOK LAPJA. (Magyar Kemikusok Egyesülete) Budapest, Hungary
Vol. 14, no. 2/3, Feb./Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

VANCZO, IBOLYA

*HE 3b
Jag (kB)
4E2 c67*

Maleate-fumarate isomerization during the preparation of polyglycol maleates. Effects of isomerization on copolymerization reactivity. Ibolya Vanczó and Mrs. I. A. M. Maros (Műszakiipari Kutató Intézet, Budapest, Hung.).

Magyar Kém. Folyóirat 65, 280-1 (1959).—The effect of various factors on maleate-fumarate isomerization was studied by using the polarographic method of Feuer, et al. (C.A. 48, 12489b). Diethylene glycol-maleic anhydride polycondensates were used in the expts. The resin was decompd. by cold sapon. and polarograms were prep'd. from the resulting aq. solns. An NH₄OH-NH₄Cl buffer soln. at pH 8.1 was used as standard. The effect of the degree of isomerization on the copolymerization was followed by measuring the enthalphy changes of the reacting monomers with a derivatograph (cf. Paulik, et al., C.A. 52, 13325f) and by measuring the contraction of the mixt. with a Hg-dilatometer (Schulz and Harborth, C.A. 41, 5762c). This procedure was found to be suitable for following the progress of the copolymerization.

G. J. Ermeyel

5

03/11

VANGSO-SZMEREGSÁNYI, I. K.

PLACE & BOOK INFORMATION
SER/7983

International symposium po makromolekuloy khimii, SSSR, Moscow, 14-18 syuzhe
1960 si dolzhy 1 storofernosti. Satsayev II. (International Symposium on
Macromolecular Chemistry Held in Moscow, June 14-18; Papers and Summary)
Section II. [Moscow, Izd-vo Akad. SSSR, 1960] 559 p. 5,500 copies printed.
Sponsoring Agency: The International Union of Pure and Applied Chemistry, Com-
mission on Macromolecular Chemistry

Tech. Ed., T.A. Frusakova.
PURPOSE: This book is intended for chemists interested in polymerisation re-
actions and the synthesis of high-molecular compounds.

CONTENTS: While in Section II of a multi-volume containing papers on mac-
romolecular chemistry, the papers in this volume treat mainly the kinetics of
various polymerisation reactions initiated by different catalysts or induced
by radiation. Among the research techniques discussed are electron paramagnetic
resonance spectroscopy and light-scattering intercalation. There are summaries
in English, French and Russian. No personalities are mentioned. References
follow each article.

Martin-Lata, and Mih. Blata. (USSR). Processes of Polymerisation
and Grafting on Newly Formed Surfaces 469

Volobuyeva, A.V., G.I. Endrenyari, J.M. Shremter, and A.F. Bondareva
(Soviet). The Polymerisation Process in the Solid State 469

Szelinski, L., A. Stachura, Z. Holly, and E. Stolar. (Hungary). Mechanics of
the Polymerisation of Coprolycates in the Presence of Phosphoric Acid 467
Charkiewicz, J., B. Ostrowski, and Wlodek. (Poland). Polymerisation
of Coprolycates, Fluorocarbons and Copolyfluorocarbons in the Presence of Their Sodium
Salts in Nonpolar Solvents With Carbon Dioxide As an Activator 471

Vassiljevskaya, Iu.K. Maros-Derec, and B. Neklyudov. (Hungary). Investi-
gation of Malonate-Pearlite Isomerisation During the Polyesterification of
Different Glycols 491

Iancu, Z., and S. Chirculescu. (Romania). Kinetics of the Polymerisation
of Diacyl Phthalimidol 501

Kratzsch, P., Mink, and B. Sedlacek. (Czechoslovakia). Use of the
Extrapolation Method in Computing Data on Light-Scattering for the Case
of Continuous Constant Observation of Polymerisation in Particles 501

AVAILABILITY: Library & Congress 504
REF ID: A 19

Kreiter, S.Ie., M.I. Kostrikina, I.Y. Potashnik, and S. Shmelev-
(USSR). Study of Some Details of the Mechanism of Polymerisation Under
the Action of Complex Catalysts 512

Furukawa, Y.M., S.Ja. Marush, R.M. Sorkina, and K.D. Gomber. (USSR).
Staroprecipitation and the Optical Properties of Polymers 518

Birchertova, I.M., Yu. Ts. Gordej, and O.B. Slatkin. (USSR). The
Microactivity of Polymers and Methods of Study 520

Abram-Adel, A.E. Shremter, M.F. Yakovleva, and L.P. Melnikova. (USSR).
On Carbonyl and Carbocation Polymerisation Mechanisms Under the Effects
of Ozone Radiation 520

Egami, Y., Yu. and V.A. Kabanov. (USSR). Polymerisation Processes in
Incrimine Molecular Dispersions 523

Michalek, L., Mih. Blata, and L. Pic. (Czechoslovakia). Kinetics of the
Polymerisation of Formic Aldehyde 523

Vesely, M. (Czechoslovakia). On the Mechanics of Ionic Polymerisation 523

Zilcer, Z., and A. Matyi. (Czechoslovakia). On the Role of Xylopoliar
Compounds in the Cationic Polymerisation of Isobutylene 524

REF ID: A 45

VANCSONE SZMERCSANYI, Ibolya

The structure and properties of polyester contact resins. Kem tud
kozl MTA 14 no.3:309-314 '60. (EEAI 10:9)

1. Szerves Vegyipari es Muanyagipari Kutato Intezet, Budapest.

(Esters) (Gums and resins) (Ethylene) (Glycols)
(Maleic acid) (Sebacic acid) (Fumaric acid)

MAROSNE GREGER, Katalin; VANCSONE SZMERCSANYI, Ibolya; MAKAYNE BODI,
Etelka

Determination of the unsaturatedness of unsaturated polyesters.
Magy kem lap 15 no.2:72-74 F '60.

1. Szerves Vegyipari es Muanyagipari Kutato Intezet.

VANCSD, Ibolya

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H/006/61/000/012/001/001
D286/D304

AUTHORS: Vancsó née Szmercsányi, Ibolya and Réthy, Eszter

TITLE: Properties of diphenic acid polyester resins, in particular their heat resistance

PERIODICAL: Magyar kémikusok lapja, no. 12, 1961, 555-559

TEXT: The article deals with experiments carried out at the Műanyagipari kutató intézet (Plastics Industry Research Institute) in Budapest to produce polyester resins of high heat resistance. Diphenic acid, maleic anhydride and ethylene glycol were used in varying proportions. Condensation polymerization was carried out at 180-210°C without a catalyst in a carbon dioxide stream resulting in a product with the acid number 45. Experiments showed that the optimum Vicat softening point as well as the optimum Brinell hardness of 1,825 Kg/sq cm was obtained with a polyester composed of 25% maleic anhydride, 47.1%

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Properties of diphenic ...

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diphenic acid and 27.9% ethylene glycol. The copolymerization was made with styrene, the polyester monomer ratio being 65:35, and 1% benzoyl peroxide as initiator. Another experiment showed that the heat resistance values of the diphenic acid polyester are highest when copolymerization is carried out in the presence of an inhibitor. The Vicat softening point of the polyester copolymerized with diallyl phthalate was 280°C and the optimum heat resistance was obtained with resins produced by copolymerization with triallyl cyanurate. The heat resistance of the copolymer of diethylene glycol maleate-fumarate and styrene was tested in relation to the fumarate content. Best results were obtained with a polyester of the following composition: 67% fumarate, 1 mol maleic anhydride, 1 mol diethylene glycol and 1% benzoyl peroxide. The acid number was 36. The Vicat softening point was 250°C, Bhn, 870 kg/sq cm and the compressive strength, 2,400 kg/sq cm. It was also found that the Vicat

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Properties of diphenic ...

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softening point increases with the increase of the molecular weight. Tests with the Zilles diamond abrasion machine showed, after 10 minutes of operation at 500 g loading, an abrasion of 120 mg/sq cm. Diphenic acid used in the experiments was produced by the Szerves vegyipari kutató intézet (Organic Chemical Industry Research Institute) and supplied by Doctor István Back and Mrs. László Schéra. The authors express their thanks to Doctor Ede Laczkó, head of the Mechanical Laboratory of the Plastics Industry Research Institute for his assistance in the mechanical and heat resistance tests. There are 9 figures, 6 tables and 9 references: 3 Soviet-bloc and 6 non-Soviet-bloc. The references to the English-language publications read as follows: A.D. Anderson and E.S. Freeman: J. Appl. Pol. Sci., 1, 192-199, 1959; A.D. Anderson and E.S. Freeman: Anal. Chem. 31, 1697-1700, 1959; S.L. Madorsky: J. Pol. Sci., 9, 133-156, 1952.

ASSOCIATION: Müanyagipari kutató intézet(Plastics Industry Research Institute)

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SZABONE, RETHY, Eszter; VANCSONE SZMERCSANYI, Ibolya

Chemical resistance of polyester contact resins. Magy kem lap
18 no.7:328-334 J1 '63.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858520011-0"

VANCSON SZEMERCSANYI, Ibolya; PAULIK, Jeno

Thermal analysis of polyester resins. Pt.1. Magy kem
folyoir 69 no.12:545-550 D'63.

1. Muanyagipari Kutato Intezet, Budapest.

VANCSONE Szmercsanyi, Ibolya; MAROS, Laszlone

Maleate-fumarate isomerization during the synthesis of polyglycol-maleates; the effect of isomerization on the reactivity of copolymerization. Magy kem folyoir 65 no. 7: 280-281 J1 '59.

1. Muanyagipari Kutato Intezet, Budapest.

L 36856-66 T/EWP(t)/ETI IJP(c) JD
ACC NR: AP6019274

SOURCE CODE: GE/0030/66/015/002/0627/0637 46

AUTHOR: Tauc, J.; Grigorovici, R.; Vancu, A.

ORG: [Tauc] Institute of Solid State Physics of the Czechoslovak Academy of Sciences, Prague; [Grigorovici; Vancu] Institute of Physics of the Rumanian Academy of Sciences, Bucharest

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B

TITLE: Optical properties and electronic structure of amorphous germanium 1

SOURCE: Physica status solidi, v. 15, no. 2, 1966, 627-637

TOPIC TAGS: amorphous germanium, electronic structure, optic property, energy dependence, optic density

ABSTRACT: The optical constants of amorphous Ge are determined for photon energies from 0.08—1.6 eV. From 0.08—0.5 eV, the absorption is due to k-conserving transitions of holes between the valence bands as in p-type crystals; the spin-orbit splitting is found to be 0.20 in non-annealed, and 0.21 eV in annealed samples. The effective masses of the holes in the three bands are 0.49 m, 0.04 m, and 0.08 m. An absorption band is observed below the main absorption edge (at 300K; the maximum of this band is 0.86 eV); the absorption in this band increases with increasing temperature. This band is considered

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to be due to excitons bound to neutral acceptors, and these are presumably the same ones that play a decisive role in the transport properties and which are considered to be associated with vacancies. The absorption edge has the form: $\omega^2 \propto (h\omega - E_g)^2$

($E_g = 0.88$ eV at 300K). This suggests that the optical transitions conserve energy, but not the k vector, and that the densities of states near the band extrema have the same energy dependence as in crystalline Ge. A simple theory describing this situation is proposed, and comparison of it with the experimental results leads to an estimate of the localization of the conduction-band wave functions. For the suggested interpretation of the experimental results, the authors profited very much from discussions with Dr. E. Antonek and Dr. B. Velicky; fruitful discussions with Dr. L. Banyai and also acknowledged. Orig. art. has: 4 figures and 14 formulas. [Authors' abstract.]

[KS]

SUB CODE: 20/ SUBM DATE: 25Feb66/ ORIG REF: 005/ OTH REF: 001

ms
Card 2/2

AUTHOR: Antonín Vančura CZECH/37-59-2-9/20
TITLE: On the Non-conservation of Parity and on Theories of the Neutrino
PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 2,
pp 178-191
ABSTRACT: Recent knowledge on the properties of the Hamiltonian symmetry of weak interactions is reviewed. Particular attention is paid to the Hamiltonian for decay β in various theories of the neutrino, especially a comparison of the interaction of a nucleon and a lepton field in the two-component and general four-component theories of the neutrino. The mutual relation of the law of the conservation of parity and the number of leptons is explained and the necessity of supplementing the two-component theory by the law of the conservation of the number of leptons is given. Finally the author puts forward a hypothesis on the universal Fermi interaction and its relation to the two-component theory of the neutrino. Acknowledgements are expressed to Dr. V. Votruba and L. Valenta, for their advice and continued interest in the work.

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On the Non-conservation of Parity and on Theories of the Neutrino
CZECH/37-59-2-9/20
This review article contains 64 references, of which
46 are English, 11 Italian, 3 German, 1 Danish,
2 Soviet and 2 Czechoslovakian.

ASSOCIATION: Fakulta technicke a jaderne fysiky Karlovy
university, Praha
Card 2/2 (Faculty of Technical and Nuclear Physics,
Charles University, Prague) ✓

SUBMITTED: July 14, 1958

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VANDERBILT, L.

July 21, 1947 - 17 days, London, 1000 hours, 1947-
21 July 1947.

• Identity of T. British and British Signals of the Royal Higher
School of Telegraphy, Dept. A, London, 7.

VANCURA, F.

A multichannel model of weak scattering of leptons. Chekhosl
fiz zhurnal 14 no.11:810-816 '64.

1. Faculty of Technical and Nuclear Physics of the Czech
Higher School of Technology, Praha 1, Brehova 7.

VANCURA, J.

TECHNOLOGY

Periodical: ZELEZNICAR. No. 12, Dec. 1958.

VANCURA, J. We are improving the economic management of our railroads. p. 1.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

VANCURA, J.

Variations of the content of azulene in flowers of Matricaria
chamomilla L. during its vegetation. Cesk. farm. 3 no. 5:174-177
Mv '54.

1. Z ustatu pro farmakologii a farmakognosii lekarske fakulty
Karlovych univ. v Praze.

(PLANTS,

*Matricaria chamomilla, azulene content in flowers during
various stages of vegetation)

(OILS,

*azulene in Matricaria chamomilla flowers, variations
during various stages of vegetation)

JAKOUBKOVA, J.; KACL, J.; KOLAR, J.; VANCURA, J.

Metastases of pulmonary cancer to the bones of the hand. Cesk.
rentg. 14 no. 6: 396-399 D'60.

1. Radiologicka klinika University Karlovy v Praze, predsedna
prof. MUDr. Vaclav Svab.
(CARCINOMA BRONCHOGENIC compl)
(HAND neopl)

KUZLOVA, Marie; VANCURA, Jan

Contribution to the differential diagnosis of vascular diseases
during work with pneumatic tools. Prac. lek. 16 no.7:328-331
S '64.

1. Oddeleni chorob z povolani Obvodniho ustavu narodniho zdravi
v Pardubicich (vedouci MUDr. M. Kuzebove), Radiologicka klinika
fakulty vseobecneho lekarstvi Karlovy University v Praze (pred-
nosta prof. dr. V. Svab, DrSc.).

FANTIS, A.; MEGHLA, J.; VANCURA, J.

Intraspinal radicular cysts. Česk. neurol. 27 no. 5. 512
322 S '64.

1. I. chirurgicka klinika fakulty všeobecného lekarství
Karlovych University v Praze, (prednosta prof. dr. J. Pavrovesky)
a Radiologicka klinika fakulty všeobecného lekarství Karlovych
University (prednosta prof. dr. V. Svab).

TEICHMANN, V.; VANCURA, J.

Catheterization method in spinal phlebography. Cas. lek. cesk.
104 no.24:665-668 18 Je '65

1. Radiologicka klinika fakulty vseobecneho lekarstvi Karlovy
University v Praze (prednosta: prof. dr. V. Svab).

BARTOS, J.; LICHTENBERG, J.; VANCURA, J.; POKORNY, J.

Surgical treatment of arteriosclerotic obstructions of the abdominal aorta. Rozhl. chir. 44 no.7:502-504 J1 '65.

1. I. chirurgicka klinika (prednosta prof. dr. J. Pavrovsky, DrSc.), radiologicka klinika (prednosta prof. dr. V. Svab) a IV. interni klinika (prednosta prof. dr. M. Fucik) fakulty vseobecneho lekarstvi Karlovy University v Praze.

L 31785-66

ACC NR: AP6021646

SOURCE CODE: CZ/0030/65/000/011/0359/0361

AUTHOR: Vancura, J.

17

ORG: Chirana, Brno

B

TITLE: Sterilization instruments

SOURCE: Jemna mechanika a optika, no. 11, 1965, 359-361

TOPIC TAGS: medical equipment, medical laboratory instrument, hospital equipment

ABSTRACT: The article discusses general problems of instruments and devices for sterilizing medical instruments and gives some interesting solutions of their design. The article shows the wide field of techniques involved in the questions of the designing of those instruments. Orig. art. has: 4 figures. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none

15

Card 1/1

VANCURA, Jiri, inz. arch. dr.

Office buildings abroad. Tech preca 17 no. 2, 114-117 P '65.

Change in the content of hops components at the time of ripening of the hops. Central Hopakovo and M. L. Lepart
Werkunens Svetec, Prague, February 1954. 1953
Object of the study was to examine the increase of
tannins and α -acid^(I) and β -acid^(II) (derivatives of
humulone, $C_{16}H_{16}O_2$, and lupulene, $C_{16}H_{16}O_2$, resp.) during the
period of ripening and to obtain their values which is
believed to correlate with the best qualities for the brew-
ing industry. To estimate the content of these com-
ponents in hops, the following method was used. After
brumation, the hops were dried at 40°C for 24 hours
according to the method of the Central Hopakovo and
published by Svetec et al. in the "Prace Prazskeho
Praha" and then the dried hops were ground in a
milk mill and the ground material passed through
through flattened glass. From this, a flow stream with 100
cc EtOH. Quantitative samples were taken to a fist
size and the remaining residue was washed with
residue is dissolved in EtOH and introduced into a
100 cc volumetric flask up to the mark with Me
OH. After the liquid has stopped, 1 ml water is added
above the liquid. The solution is then filtered and
sampled to a 100 cc volumetric flask. 100 cc
and 114 cc samples are taken from the 100 cc solu-
ples are taken from the 100 cc solu-

(2)

VANCURA, M.

Influence of tanninogenic constituents and proteins of leaves on deer production

Effect of some constituents, especially the colloids, of malt extract on course of hop-boiling. V. Šalad, M. Kotrč, Hapáček and M. Yantora. *Brewing*, 1958, 98, B, 108-118. The proteolytic prep. "Ulipatin" is chosen in preference to the other prep. for experiments on the effects of modification of the wort proteins. The best results (with average hop additions) as regards utilisation of the hop-bitter and the general quality of the resulting beer are obtained with the use of 1 g. of the prep. per l (the smallest amount tried) of first wort, which gives a ratio of the Lundin protein fractions A, B, C of 3:2:4-5 in the wort, and 1:1:2.6-7 in the beer. The proteolytic prep. appears also to have an amylolytic effect as the complex carbohydrates (hopsulin) increase stability and biological stability, but excessive ppts. of the proteins of high and medium mol. wt tends to spoil the taste of the beer. P.S. 3/86.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application. Carbohydrates and Their Processing. H.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36742

Author : Salac, V., Vanatura, M., Bednar, J.

Inst :
Title : A Comparison Between Czechoslovak Hop Extracts with Those of Other Countries.

Orig Pub : Kvasny prumysl, 1958, 4, No 7, 146-148.

Abstract : The effect of the substitution of hops by hop extracts (HE) on the quality of wort and beer has been clarified. The Czechoslovak HE (CzSR-I and CzSR-II) were compared with those of FRG, GDR, England and USA. CzSR-I was obtained by the extraction of the hops by an organic solvent and water; an organic solvent only was used in the preparation of CzSR-II, and, as a result, tanning agents were absent in them (as in the case of HE of DDR). A number of semi-industrial brewings in identical

Card 1/3

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CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application. Carbohydrates and Their Processing. H.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36742

conditions were submitted. Zhatetz hops were assigned for the controlled brewings in 3 stages; for the experimental ones, however, HE only were used before the brewing's end, in amounts corresponding to their densities. The analysis of HE established the presence of a smaller amount of solid resins in CzSR-I and CzSR-II, than in foreign HE. All HE, containing hop tanning agents, showed an increase of albumin precipitation in the brewery, but HE of England and USA showed a decrease of fermentation spirals. In the remaining process of brewing and fermentation, a difference with the controlled brewings were not noticed. The examination of the wort and beer tests showed that hop tanning agents assist in the preservation of bitter substances. In the organoleptic evaluation, beer specimens from HE of CzSR-I occupied 1st place; 2nd place was taken up by the controlled beer;

Card 2/3

VANCURA, M.; BEDNAR, J.

"Experiments with utilizing extracts of bitter-hop substances from
sludge and brewery sediments." P. 105.

KVASNY PRUMYSL. (Ministerstvo potravinarskeho prumyslu). Praha,
Czechoslovakia, Vol. 5, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Unclu.

VANCURA, Miloslav; HEDNAR, Jaromir

Effect of hop resins on the beer bitter. Kvasny prum 9
no.5:110-112 My '63.

1. Vyzkumny ustav pivovarsky a sladarsky, Praha.

VANCURA, Miroslav; BEDNAR, Jaromir

Changes in hop resins during hop storage and their effect
on the amount of bitter substances in beer. Kvasny prum
9 no. 12: 277-281 D '63.

1. Vyzkumny ustav pivovarsky a sladarsky, Praha.

VANCURA, Miroslav

Hops from the 1964 crop. Kvasny prum 10 no.10:219 O '64.

1. Research Institute of Brewing and Malting Industry, Prague.

DVORAK, L.; DVORAKOVA, M.; JIRANKOVA, J.; KOLBEL, F.; VANCURA, P.

Incidence and prognosis of myocardial infarct in a sampling of the
Prague population in recent years. Cas. Lek. Cesk. 101 no.9:267-272
2 Mr '62.

1. III interni klinika KU v Praze, prednosta akademik Josef Charvat,
Ustav organizace zdravotnictvi v Praze, prednosta prof. dr. Vaclav
Prosek.

(MYOCARDIAL INFARCT statist)

VANCURA, P.

Mucoviscidosis in adults. Cas.lek. cesk. 103 no.3:10-14
17 Ja^r64.

1. III. interni klinika fakulty vseobecneho lekarstvi KU
v Praze; prednosta: akademik J.Charvat.

*

VANCURA, P.; KUCHTA, O.

Extrarenal effect of aldosterone and its inhibition by spiro-lactone. Cas. lek. cesk. 103 no. 51:1402-1403 18 9 '64

1. III. interni klinika fakulty všeobecného lekarství Karlovy
University v Praze (vedoucí akademik J. Charvat).

DVORAK, L.; VANCURA, P.; VCLAROVA, Z.

Effect of methylene blue on angina pectoris. Cas. lek. cesk. 104.
no. 7:175-181 19 F '65.

I. III. interni klinika fakulty vseobecneho lekarstvi Karlovy
University v Praze (prednosta: akademik J. Charvat) a I. interni
klinika fakulty vseobecneho lekarstvi Karlovy University v Praze,
(prednostat: prof. dr. V. Hoenig, DrSc).

CZECHOSLOVAKIA

VANCURA, P., 3rd Internal Clinic, Faculty of General Medicine, Charles University (III. Interni Klinika Fak. Vseob. Lek. KU), Prague, Head (Prednosta) Member of Academy J. CHARVAT.

"Bond Between Hormones and Blood Serum Albumins."

Prague, Casopis Lekaru Ceskych, Vol 105, No 19, 13 May 66, Lekarska Veda v Zahranici, No 5, pp 93 - 102

Abstract: Hormones form bonds with albumins, prealbumins, alpha globulins, and to some extent with beta globulins. No natural bonds to gamma globulins are known. The manner in which the bond is formed may differ even for two identical components, and is influenced by physiological conditions. Bonds formed between thyroxin and various proteins are discussed. Bonds of insulin with various proteins are described. Bonds between steroids and albumins are discussed. Changes in the bonds of hormones to proteins caused by liver diseases are described. 5 Figures, 6 Tables, 161 Western references.

1/1

- 10 -

VANCURA, Theodor

Improvement suggestions, problems and opinions. Geod kart
obzor 2 no.3:56-57 Mr '6.

1. Dopravni stavby, n.p., Olomouc.

"Electric equipment of the Donbas coal combine."
Uhli, Praha, Vol 3, No 4, Apr. 1953, p. 102

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

VANOUK, V.

"Organization of power and auxiliary operations in Soviet mines."
Uhli, Praha, Vol 3, No 4, Apr. 1953, p. 113

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

VAMCURA, V.

"Eliminating defects in electric equipment of the Donbas Combine."
Uhli, Praha, Vol 3, No 5, May 1953, p. 155

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

S/262/62/000/024/005/007
A154/A126

AUTHOR: Vančura, Václav

TITLE: A fan for a helicopter engine

PERIODICAL: Referativnyy zhurnal, Silovyye ustavovki, no. 24, 1962, 37, abstract 42.24.250 (Zpravod. VZLÚ, 1961, no. 3, 13 - 19; Czech; summaries in Russian and English)

TEXT: Use of an axial fan for cooling a helicopter engine is substantiated, a technique for strength and thermodynamic tests is given, and the individual test arrangements used in the tests are described. Diagrams and graphs of the test results are given of a fan which was designed for a V-shaped 6-cylinder horizontal aircraft engine of about 240 HP.

[Abstracter's note: Complete translation]

Card 1/1

SULC, Josef, inz., dr.; VANCURA, Vaclav, inz.

Tanks for the temporary storage of cooled milk. Prum potravin 13 no, 9:
496-501 S '62.

1. Vyzkumny ustav mlekaensky, Praha.

Country : CZECHOSLOVAKIA
Category: Soil Science. Soil Biology.

J

Abs Jour: RZhBiol., No 14, 1958, № 63056

Author : Vancura, Vlastimil
Inst : Czech. Academy of Agricultural Sciences
Title : The Dynamics and Variability of Azotobacter Under Certain Agricultural Crops.

Orig Pub: Sbor. Ceskosl. akad. zemed. ved. o stl. výroba,
1956, 29, № 9-10, 976-977 (cheshsk.)

Abstract: The dynamics of the accumulation of azotobacter (Λ) in soil (burezen) under barley and beans are similar. In the immediate area of the barley roots Λ is more numerous than in the soil; the development of Λ is stimulated by the root system, especially during

Card : 1/3

Country : CZECHOSLOVAKIA
Category: Soil Science. Soil Biology.

Abs Jour: RZhBiol., No 14, 1958, No 63056

J

the lactation period. In the rhizosphere zone of beans, the dynamics of accumulation of N are the same as in the soil. In the rhizosphere zone of oats (bean-oat mixture), N is stimulated in the tillering and fruiting phases and is inhibited in further phases; in the meantime, the dynamics of accumulation in the rhizosphere zone of the bean plant is the same as in the monoculture of the beans. Under beets, because of repeated weeding, the quantity of N in the soil is greater than in the rhizosphere zone. Morphological and culture differences in azotobacter taken from under oats and barley in various phases (the appearance of small colonies with a high content of volutin

Card : 2/3

J-23

J

Country : CZECHOSLOVAKI.

Category: Soil Science. Soil Biology.

Abs Jour: RZhBiol., No 14, 1958, No 63056

in the cells) are observed, as are also differences
in the formation and consistency of the slime. --
V.A. Kanzyuba

Card : 3/3

CZECHOSLOVAKIA / Microbiology. General Microbiology. F-1
Physiology and Biochemistry.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71907.

Author : Vanoura, V.; Macurova, M.
Inst : ~~Czechoslovak~~ Academy of Agricultural Sciences.
Title : Fixation of Atmospheric Nitrogen Azotobacter in
Some Industrial Waste.

Orig Pub: Sbor. Ceskosl. akad. zemed. ved. Rostl. výroba,
1956, 29, No 9-10, 978-979.

Abstract: No abstract.

Card 1/1

VANCURA, V., and others.

The relation of Azotobacter to the root system of barley. p. 119.

FOLIA MICROBIOLOGICA. (Ceskoslovenska akademie ved) Praha, Czechoslovakia. Vol. 4,
no. 2, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959,
Uncl.

VANCURA, V.; MACURA, J.

Development of azotobacter in the oat rhizosphere and its effect on the yield.
p. 200.

FOLIA MICROBIOLOGICA. (Ceskoslovenska akademie ved) Praha, Czechoslovakia. Vol. 4,
no. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959,
Uncl.

VANCURA, V.

Composition of capsular polysaccharides of smooth and rough types of
colonies of Azotobacter chroococcum. Folia microbiol 5 no.2:100-104
(EEAI 9:7)
Mr '60.

1. Department of Microbiology, Institute of Biology, Czechoslovak
Academy of Sciences, Prague.
(AZOTOBACTER)
(POLYSACCHARIDES)

VANCURA, V.; MACURA, J.

Indole derivatives in Azotobacter cultures. Folia microbiol. 5
no. 5:293-297 '60. (EEAI 10:4)

1. Department of Microbiology, Institute of Biology, Czechoslovak
Akademy of Sciences, Prague.
(Indole) (Azotobacter) (Growth (Plants))

VANCURA, V.; MACURA, J.

The effect of root excretions on Azotobacter. Folia microbiol 6
no.4:250-259 '61.

1. Department of Microbiology, Institute of Biology, Czechoslovak
Academy of Sciences, Prague 6.

(AZOTOBACTER)

VRANY, J.; VANCURA, V.; MACURA, J.

Effect of foliar application of some readily metabolized substances,
growth regulators and antibiotics on rhizosphere microflora. Polia
microbiol. 7 no.1:61-70 '62.

1. Department of Soil Microbiology, Institute of Microbiology,
Czechoslovak Academy of Sciences, Prague 6.
(ANTIBIOTICS pharmacol) (GROWTH SUBSTANCES pharmacol)
(BACTERIA pharmacol)

VANCURA, Vlastimil; HOVADIK, Alois

Root excretions of plants. Rost výroba 9 no. 7/8:683-686 Jl-Ag '63.

1. Mikrobiologicky ustavm Československa akademie ved,
oddeleni pudni mikrobiologie, Praha a Vyzkumny ustav
zelinarsky, Olomouc.

OPLISTILOVA, Kveta; VANCURA, Vlastimil

Growth stimulating substances in a culture of the bacteria
of Rhizobium genus. Rost výroba 9 no.7/8:734-736 Jl-Ag '63.

1. Ustredni vyzkumny ustav rostlinne výroby, oddeleni
mikrobiologie, Ruzyně; Mikrobiologicky ustav, Československa
akademie věd, oddeleni pudni mikrobiologie, Praha.

VAGNEROVA, Kamila; VANCURA, Vlastimil; LASIK, Jaromir

Rhizosphere microflora of wheat. Pt. 4. Rost výroba 9 no. 7/8:637-692
Jl-Ag '63.

1. Mikrobiologicky ustav, Ceskoslovenska akademie ved, oddeleni
pudni mikrobiologie, Praha.

MACURA, J.; SZOLNOKI, J.; VANCURA, V.

Glucose decomposition in the soil. Rost výroba 9 no.7/8:
788-792 Jl-Ag '63.

1. Mikrobiologicky ustav Ceskoslovenske akademie ved, oddeleni
pudni mikrobiologie, Praha.

MACURA, J.; SZOINKI, J.; KUNC, F.; VANCURA, V.; BABICKY, A.

Decomposition of glucose continuously added to soil. Pol.
microbiol. (Praha) 10 no.1:44-54 Ja '65

1. Department of Soil Microbiology, Institute of Microbiology
and Radioisotope Research Laboratories, Czechoslovak Academy
of Sciences, Prague 4.

FRYNTOVA, A.; BUDINOVA-SMELA, J.; KACL, J.; VANCURA, V.; SKOP, V.

On the problem of angiospasm in cerebral arteries. Cas. lek. Česk. 105 no.2:33-37 14 Ja '66.

1. Oddeleni pro cevni nemoci mozku, Praha-Krc (vedouci doc. dr. J. Budinova-Smela, CSc.) a Radiologicka klinika fakulty vseobecneho lekarstvi Karlovy University, Praha (prednosta prof. dr. V. Svab, DrSc.).

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